

FORM PTO-1449
(REV. 7-80)

FEB 7 6 2002

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
500582.12APPLICATION NO.
09/975,063

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary.)

APPLICANT(S)

Jerry Powell

FILING DATE

October 10, 2001

GROUP ART UNIT

1633

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U.S. PATENT DOCUMENTS

TECH CENTER 1600, 2900

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
L	AA	4,377,513	03/22/83	Sugimoto et al.	530	395	COPY OF PAPERS ORIGINALLY FILED
L	AB	4,703,008	10/27/87	Lin	435	360	
L	AC	4,751,084	06/14/88	Feder et al.	424	94.64	
L	AD	4,835,260	05/30/89	Shoemaker	530	397	
L	AE	5,441,868	08/15/95	Lin	435	69.4	
	AI	5,688,679	11/18/97	Powell	435	352	
	AG						
	AH						
	AI						
	AJ						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
L	AK	WO 85/02610	06/20/85	PCT			X	
	AL	0 255 231 B1	05/20/92	EP			X	
	AM							
	AN							
	AO							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	Lin et al., "Cloning and Expression of the Human Erythropoietin Gene", Proc. Nat'l. Acad. Sci., Vol. 82, No. 22, 7580-7584 (1985)
	AQ	Jelkmann, "Renal Erythropoietin: Properties and Production", Rev. Physiol. Biochem. Pharmacol., Vol. 104, 140-149 (1986)
	AR	Werner et al., "Purification of Proteins Produced by Biotechnological Process", Arzneimittel. Forsch. Drug Res., Vol. 38, No. 3, 122-128 (1988)

J. F. Fink

12/22/03

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02-10-2001

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AS	Congote, "Effects of Erythropoietin on Uridine Metabolism in Cell Cultures of Fetal Calf Liver", Can. J. Biochem. Cell Biol. Vol. 62, Nos. 2 and 3, 143-149 (1984)
AT	Krystal et al., "GM Affi Gen Blue Chromatography of Human Uridine: A Simple One-Step Procedure for Obtaining Erythropoietin Suitable for in Vitro Erythropoietin Progenitor Assays", British Journal of Hematology, Vol. 58, No. 3, 533-546 (1984)
AU	Broudy et al., "Recombinant Human Erythropoietin: Purification and Analysis of Carbohydrate Linkage", Archives of Biochemistry and Biophysics, Vol. 265, No. 2, 329-336 (1988)
AV	Quelle et al., "High-Level Expression and Purification of a Recombinant Human Erythropoietin Produced Using a Baculovirus Vector", Blood, Vol. 74, No. 2, 652-657 (1989)
AW	Yanagi et al., "Recombinant Human Erythropoietin Produced by Namalwa Cells", DNA, Vol. 8, No. 6, 419-427 (1989)
AX	Lee-Huang et al. "The Human Erythropoietin-Encoding Gene Contains a CAAT Box, TATA Boxes and Other Transcriptional Regulatory Elements in its 5' Flanking Region", Gene, Vol. 128, No. 2, 227-236 (1993)
AY	Thompson et al., "Induction of Tyrosine α -Ketoglutarate Transaminase by Steroid Hormones in a Newly Established Tissue Culture Cell Line, Proc. Nat'l. Acad. Sci., Vol. 56, No. 1, 296-303 (1966)
AZ	Busby et al., "Expression of Active Human Factor IX in Transfected Cells", Nature, Vol. 316, No. 6025, 271-273 (1985)
BA	Nimtz et al., "Structures of Sialylated Oligosaccharide of Human Erythropoietin Expressed in Recombinant BH 21 Cells", Eur. J. Biochem. Vol. 213, No. 1, 39-56 (1993)
BB	Interference No. 102, 334, FRITSCH V. LIN, Board of Patent Appeals and Interferences, 1739-1742 (1992)
BC	McDonald et al., "Recovery of Thrombopoietin During Purification", Biochemical Medicine and Metabolic Biology, Vol. 37, 335-343 (1987)
BD	Baig, "Purification of Human α -Fetoprotein", Analytical Biochemistry, Vol. 101, 200-203 (1980)
BE	Hearn, "General Strategies in the Separation of Proteins by High Performance Liquid Chromatographic Methods", Journal of Chromatography, Vol. 418, 3-26 (1987)

EXAMINER

DATE CONSIDERED



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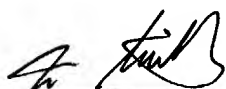
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	BI	Sytkowski et al., Biological Activity and Structural Stability of N-Deglycosylated Recombinant Human Erythropoietin", Biochemical and biophysical Research Communications, Vol. 176, No. 2, 698-703 (1991)
	BG	Miyake et al., "Purification of Human Erythropoietin", Journal of Biological Chemistry, Vol. 252, No. 15, 5558-5564 (1977)
	BH	Nimtz et al., "Identification and Structural Characterization of a Mannose-6-Phosphate Containing Oligomannosidic N-Glycan from Human Erythropoietin Secreted by Recombinant BHK-21 Cells", FEBS Letters, Vol. 365, 203-208 (1995)
✓	BI	Maniatis et al., "Molecular Cloning: A laboratory Manual", 1982
✓	BJ	Berger "Methods in Enzymology", Guide to Molecular Cloning Techniques, Vol. 152, 696-697, 1987
✓	BK	New England Biolabs Catalog, 1995 Page 14
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